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**Integrated electronic control apparatus for vehicle chassis****- NoAbstract**

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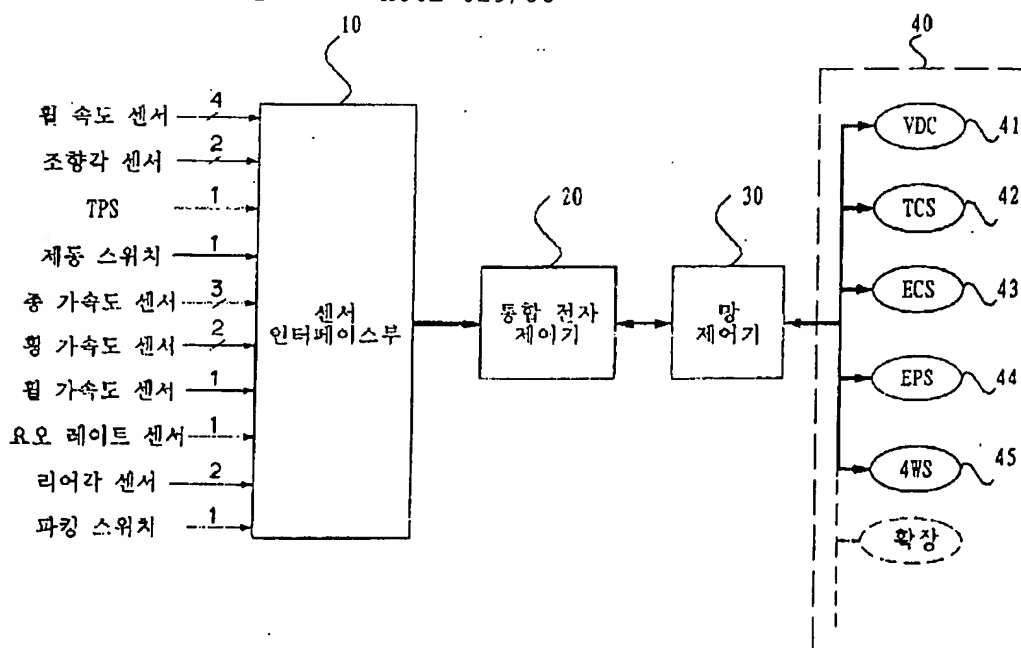
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Patent No	Kind	Date	Applicat No	Kind	Date	Week
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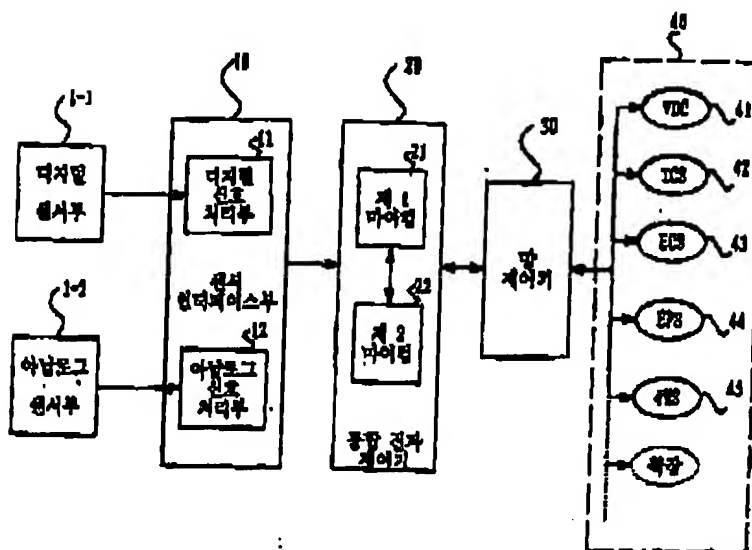
UNIFIED ELECTRONIC CONTROL APPARATUS OF VEHICLE CHASSIS

Representative drawing

(57) Abstract:

PURPOSE: A unified electronic control apparatus of a vehicle chassis is provided to reduce the number of electric lines by sharing various sensors, and to reduce the cost by making various systems be operated individually.

CONSTITUTION: A digital sensor part (1-1) consists of a wheel velocity sensor, a steering angle sensor, a brake switch and a parking switch and outputs a pulse waveform of a digital signal. A analog sensor part(1-2) consists of a breadthwise acceleration sensor, a rate sensor, a wheel acceleration sensor, a throttle position sensor(TPS) and a rear angle sensor, and outputs an analog signal. A sensor interface part(10) consists of a digital signal processing part(11) and an analog signal processing part(12), which passes a usable frequency band and an unnecessary frequency band



among the analog signal. The sensor interface part(10) receives result signals of the sensors and switches to remove external noise. A unified electronic controller(20) converts the analog signal from the processing part(12) into a digital signal and converts the converted digital signal and the result signals into data suited for various systems. A network controller(30) transfers output signals of the unified electronic controller(20) to the systems, and a system processing part(40) performs a corresponding operation for individual chassis control using result signals of the sensors and the switches transferred through the network controller(30).

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